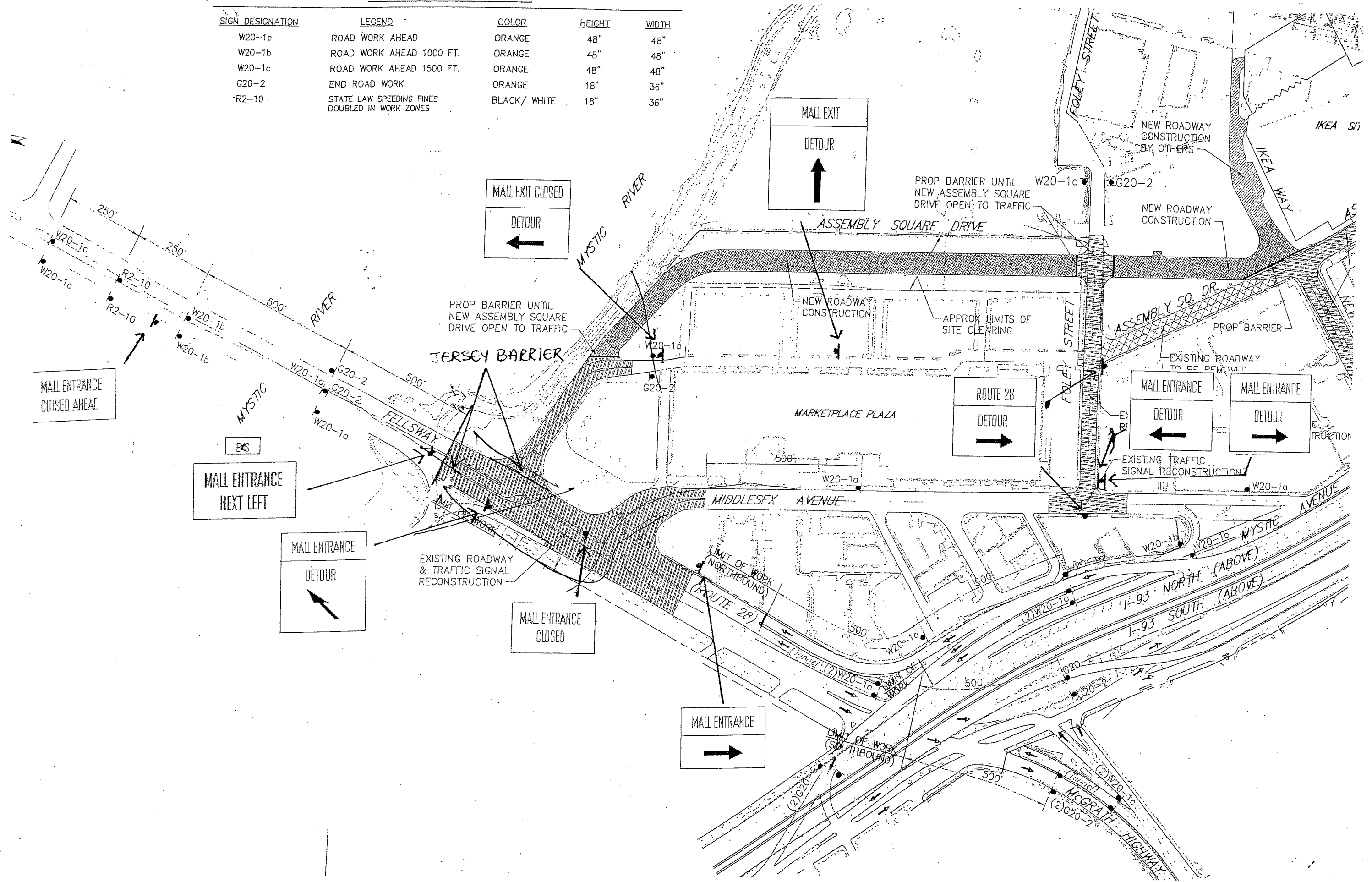


# TEMPORARY SIGNS

SIGN DESIGNATION	LEGEND	COLOR	HEIGHT	WIDTH
W20-1a	ROAD WORK AHEAD	ORANGE	48"	48"
W20-1b	ROAD WORK AHEAD 1000 FT.	ORANGE	48"	48"
W20-1c	ROAD WORK AHEAD 1500 FT.	ORANGE	48"	48"
G20-2	END ROAD WORK	ORANGE	18"	36"
R2-10	STATE LAW SPEEDING FINES DOUBLED IN WORK ZONES	BLACK/ WHITE	18"	36"

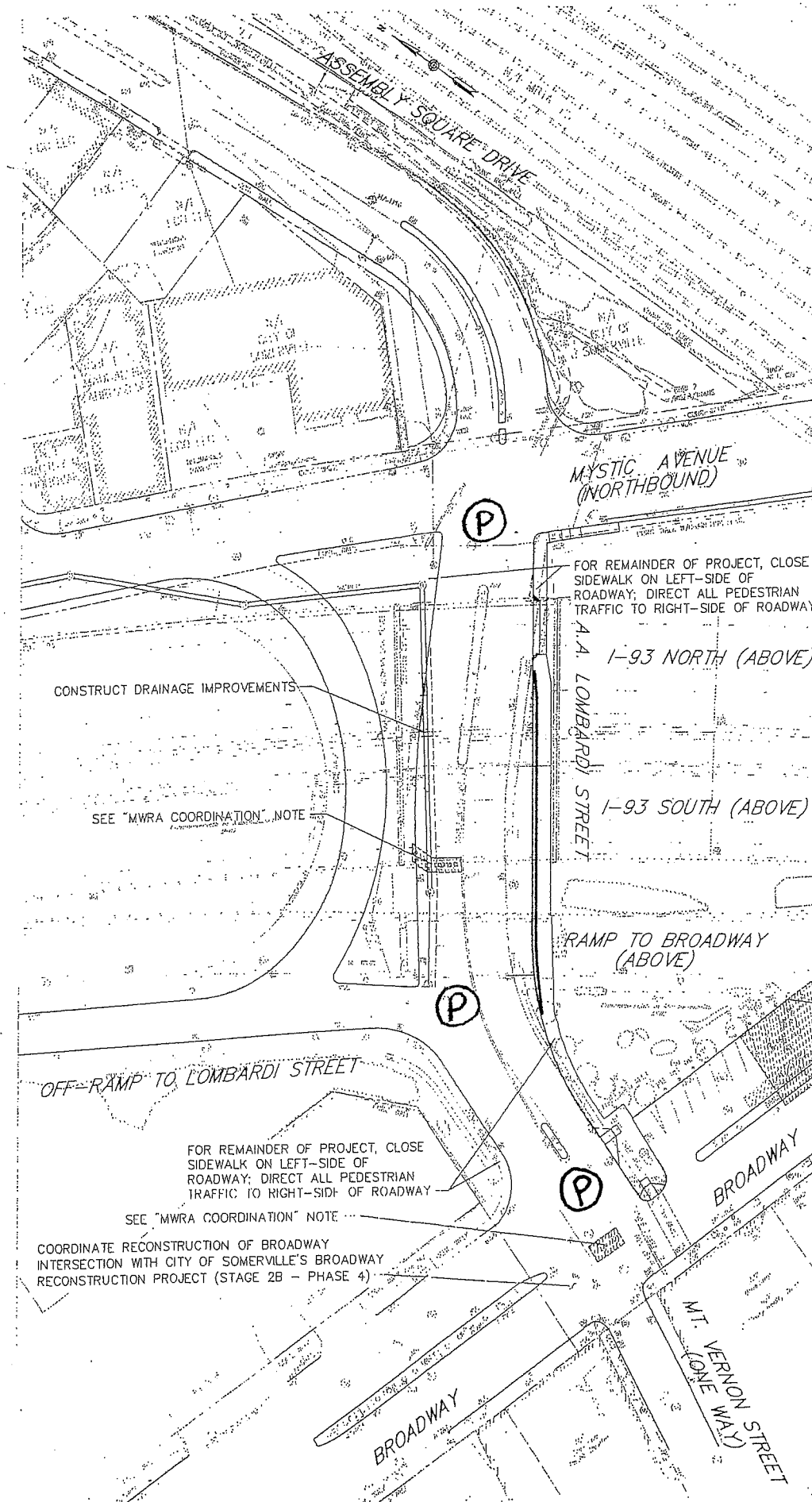




# LOMBARDI STREET

## NOTES

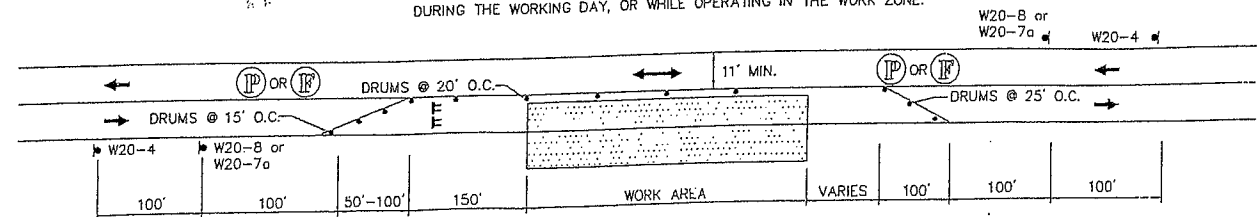
- 1.) Traffic pylons will be used to define centerline.
- 2.) Three (3) details will be present:  
 One at Lombardi & Mystic  
 One at Lombardi & Broadway  
 One at the end of the 93S off-ramp
- 3.) Roadway will be restored to its normal operating capacity at the end of each work day.
- 4.) Work will be done between the hours of 9:00am – 3:30pm



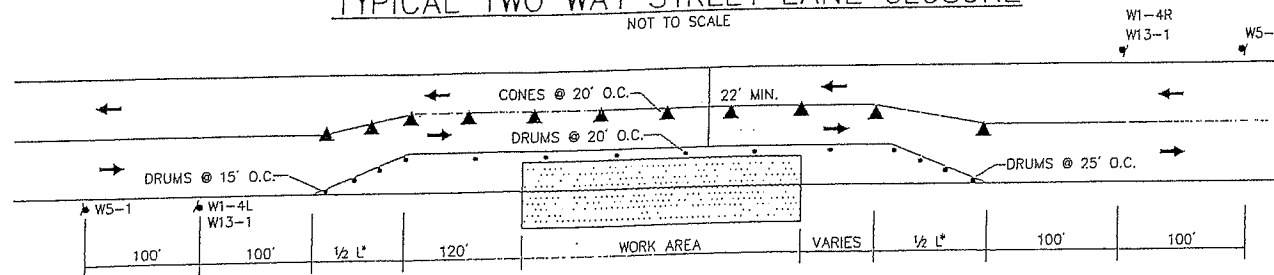


## OPERATIONAL SIGNING

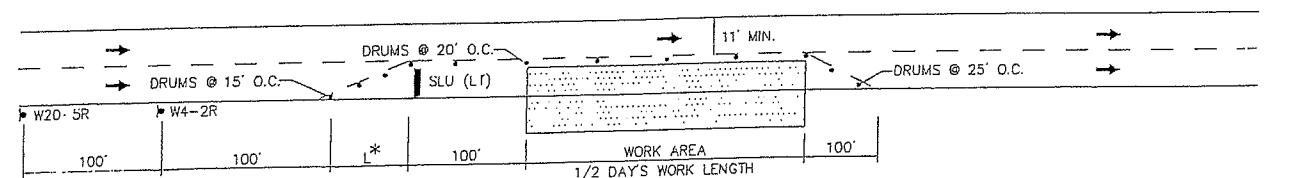
LANE CLOSURES SHOWN ARE FOR TEMPORARY CONSTRUCTION.  
ALL DRUMS AND SIGNS ARE SHOWN AS THEY SHOULD APPEAR  
DURING THE WORKING DAY, OR WHILE OPERATING IN THE WORK ZONE.



TYPICAL TWO WAY STREET LANE CLOSURE  
NOT TO SCALE

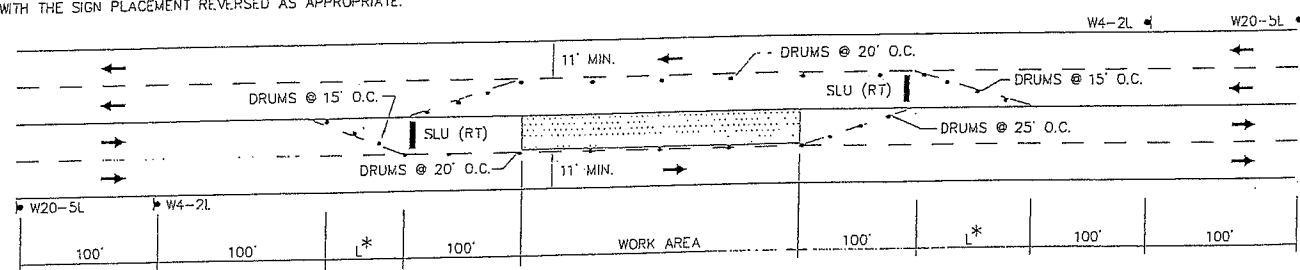


TYPICAL TWO WAY STREET LANE SHIFT  
NOT TO SCALE



ONE LANE CLOSURE - RIGHT  
NOT TO SCALE

NOTE: THIS DETAIL SHOWS A RIGHT LANE CLOSURE DETAIL.  
THIS DETAIL CAN ALSO BE USED FOR LEFT LANE CLOSURES,  
WITH THE SIGN PLACEMENT REVERSED AS APPROPRIATE.



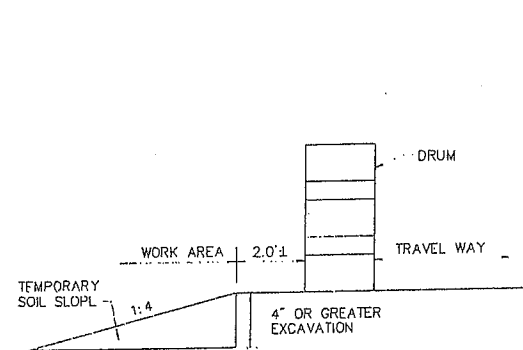
LEFT LANE CLOSURE  
NOT TO SCALE

FOR POSTED SPEEDS OF 40 MPH OR LESS

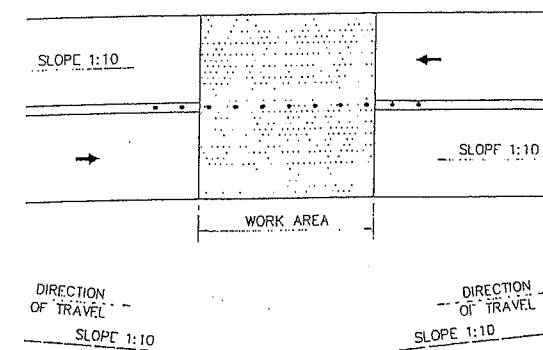
$$L = \frac{WS^2}{60}$$

L=TAPER LENGTH  
W=WIDTH OF ROADWAY TO BE SHIFTED OR REDIRECTED  
S=POSTED SPEED LIMIT

NOTE: THE ABOVE DETAILS ALSO APPLY TO OPERATIONS ON  
ROADWAYS WITH ADDITIONAL LANES NOT SHOWN (I.E. 6 LANE  
SECTIONS ON FELLWAY)



ROADWAY SLOPE PROTECTION  
NOT TO SCALE



TEMPORARY PAVEMENT TRANSITION DETAIL

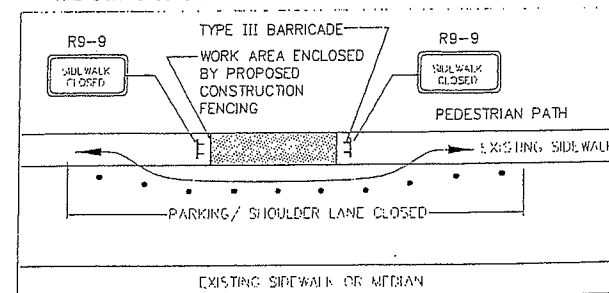
## TEMPORARY SIGNS

SIGN DESIGNATION	LEGEND	HEIGHT	WIDTH
W21-5	SHOULDER WORK	30"	30"
W20-4	ONE LANE ROAD AHEAD	36"	36"
W20-7a		36"	36"
W20-8	POLICE OFFICER AHEAD	36"	36"
G20-2	END ROAD WORK	18"	36"
W5-1	ROAD NARROWS	36"	36"
W13-1	ADVISORY SPEED PLATE	24"	24"
W8-3	PAVEMENT ENDS	36"	36"
W1-4R		30"	30"
W1-4L		30"	30"
W4-2R		36"	36"
W4-2L		36"	36"
W20-5L	LEFT LANE CLOSED 500 FT	36"	36"
W20-5R	RIGHT LANE CLOSED 500 FT	36"	36"
W8-1		36"	36"
W8-1B		36"	36"
R9-9	SIDEWALK CLOSED	12"	24"
R9-11	SIDEWALK CLOSED AHEAD	12"	24"

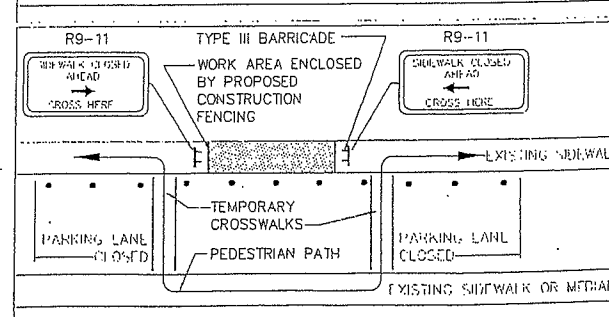
## PEDESTRIAN BYPASS

TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS  
AND DURING CONSTRUCTION STAGING AND AS DIRECTED BY THE ENGINEER.

TYPE I  
NTS



TYPE II  
NTS



- ADDITIONAL ADVANCE WARNING MAY BE NECESSARY.
- CONTROLS FOR PEDESTRIAN TRAFFIC ONLY, ARE SHOWN.  
VEHICULAR TRAFFIC SHALL BE MAINTAINED AS SHOWN ELSEWHERE.
- STREET LIGHTING SHOULD BE CONSIDERED WHEN LOCATING CONTROL DEVICES.
- DIRECTION OF PEDESTRIAN TRAVEL.
- IF THE WORK ZONE DOES NOT PERMIT PEDESTRIANS TO TRAVEL ADJACENT TO IT AS SHOWN IN PEDESTRIAN BYPASS TYPE I, TEMPORARY CROSSWALKS WITH APPROPRIATE SIGNS SHALL BE INSTALLED TO CROSS PEDESTRIANS TO THE OPPOSITE SIDE OF THE STREET AS SHOWN IN PEDESTRIAN BYPASS TYPE II, AND AS DIRECTED BY THE ENGINEER.

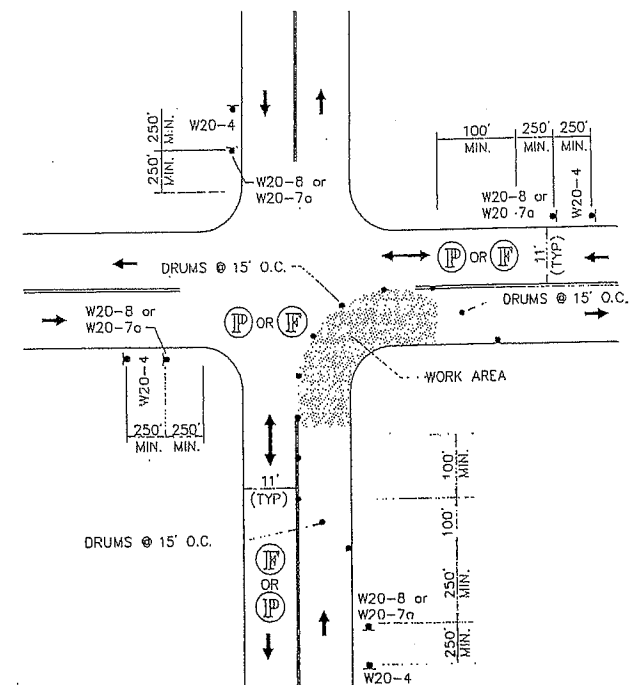
## LEGEND

●	DRUM	TYPE III BARRICADES
▲	TRAFFIC CONE	WORK AREA PUBLIC ACCESS RESTRICTED
Ⓟ	POLICE OFFICER	PROPOSED TRAFFIC FLOW
Ⓡ	FLAGGER	NTS
■	CONSTRUCTION SIGN	NOT TO SCALE

SOMERVILLE ASSEMBLY SQUARE ACCESS IMPROVEMENTS				
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	DATE
MASS	LRP-0025(CB2)	81/	118/5	
PROJECT FILE NO. 805880				
TRAFFIC MANAGEMENT PLANS OPERATIONAL DETAILS				

## GENERAL NOTES

- ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES AND OTHER DEVICES SHALL CONFORM WITH THE 2003 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AS AMENDED.
- ALL DRUMS SHALL BE SET AT 20' ON CENTER MAX. UNLESS OTHERWISE NOTED OR ADJUSTED BY THE ENGINEER.
- ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES. WORK MAY REQUIRE ADDITIONAL SIGNS, DRUMS AND OTHER TRAFFIC CONTROL DEVICES, GRADING AND TEMPORARY PAVEMENT FOR PASSAGE OF PEDESTRIAN, VEHICULAR AND EMERGENCY TRAFFIC THROUGH THE WORK AREAS, BOTH DURING AND AFTER WORKING HOURS, TO MAINTAIN SUCH ACCESS.
- THE CONTRACTOR SHALL NOTIFY EACH ABUTTOR AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS UTILITY INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
- A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION ON TWO WAY STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT THAT DURING WORKING HOURS, TRAFFIC MAY BE REDUCED TO ONE LANE UNDER POLICE CONTROL FOR SHORT TIME PERIODS WHEN REQUIRED FOR THE WORK, AS SHOWN.
- GRADE SEPARATIONS IN EXCESS OF 2' DURING NON-WORKING HOURS WILL REQUIRE DELINEATION BY USE OF DRUMS.
- EXCAVATION EDGES IN EXCESS OF 4" DEEP SHALL BE PROTECTED DURING NON-WORKING HOURS BY BACKFILLING WITH A WEDGE OF GRAVEL OR SOIL TO COMPACTED 1:4 SLOPE.
- 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED.
- NON-ESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
- THE GENERAL SEQUENCE OF WORK IS DEPENDENT UPON THE REMOVAL AND RELOCATION OF THE EXISTING UTILITY POLES AND WIRLS THAT ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, BY THE UTILITY COMPANIES. THE CONTRACTOR SHALL SCHEDULE THE WORK IN EACH AREA TO COORDINATE WITH THE POLE RELOCATION WORK.
- ADVISORY SPEED PLATES (W13-1) SHALL BE USED IF APPROPRIATE AND AS DIRECTED BY THE ENGINEER.
- "PAVEMENT ENDS" (W8-3), "SHOULDER WORK" (W21-5), "BUMP" (W8-1) AND "RAISED CASTINGS AHEAD" (W8-1B) SHALL BE USED IF APPROPRIATE AND AS DIRECTED BY THE ENGINEER.



ONE LANE BI-DIRECTIONAL  
TRAFFIC AT INTERSECTIONS  
NOT TO SCALE

NOTE:  
1. ADVANCE WARNING SIGN PLACEMENT TO BE ADJUSTED AS NECESSARY